

## Heterogeneously catalyzed partial gas phase oxidation of acrolein to acrylic acid

### Abstract

- 5 In a process for partially oxidizing acrolein to acrylic acid in the gas phase under heterogeneous catalysis, the starting reaction gas mixture is oxidized at an acrolein loading of  $\leq 145$  and  $\geq 70$  l (STP) of acrolein/l of fixed catalyst bed-h over a fixed catalyst bed which is accommodated in two successive reaction zones A, B, the highest temperature of the reaction gas mixture within reaction zone A being above the highest
- 10 temperature of the reaction gas mixture within reaction zone B.